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| | Application Number | 10/700,971 | | | | |
| | Filing Date | 11/04/2003 | | | | |
| | First Named Inventor | Muthiah Manoharan | | | | |
| | Art Unit | 1635 | | | | |
| | Examiner Name | Sean MCGarry | | | | |
| | Attorney Docket Number | CHEM0005US.P1 | | | | |

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|---|--|----------------------|------------------|---------|----------|------------|-------|---------------------------------------|
| I hereby revoke all previous powers of attorney given in the above-identified application. | | | | | | | | |
| A Power | Power of Attorney is submitted herewith. | | | | | | | |
| <i>OR</i> ✓ I hereby | appoint | the practitioners as | sociated with th | e Custo | omer Nun | nber: | 88396 | |
| √ The a | ✓ The address associated with | | | | | | | |
| OR | omer iyu | mber: | | 8839 | 8 | | | |
| Firm or Individual | Name | | | | | | | |
| Address | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| City | | | | State | | | Zip | |
| Country | | | <u> </u> | | | | | |
| Telephone | | | | | Email | | | |
| I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96) | | | | | | | | |
| | _/ | SIGNATUR | E of Applicant | or Ass | ignee of | Record | | |
| Signature | _/// | 111u- | | | | | | |
| | or/b/F | errone, J.D. | | | | | | |
| Date / 6/1/2009 | | | · | _L_ | lephone | 760-931-92 | | |
| NOTE: Signatures of all the Inventors or assignese of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. | | | | | | | | |
| ✓ Total of 1 | Total of 1forms are submitted, | | | | | | | |

This collection of information is required by 37 CFR 1.38. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestione for reducing this burden, should be sent to the Chief Information Officer, U.S. Patont and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTC/SB/98 (03-09)
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| STATEMENT UNDER 37 CFR 3.73(b) | | | | | | | |
| Applicant/Patent Owner: Isis Pharmaceuticals, Inc. | | | | | | | |
| Application No./Patent No.: 10/700,971 Filed/Issue Date: 11/04/2003 | | | | | | | |
| Titled: CONJUGATED OLIGOMERIC COMPOUNDS AND THEIR USE IN GENE MODULATION | | | | | | | |
| | | | | | | | |
| Isis Pharmaceuticals, Inc. , a Corporation | | | | | | | |
| (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc. | | | | | | | |
| states that it is: | | | | | | | |
| 1. the assignee of the entire right, title, and interest in; | | | | | | | |
| an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is%); or | | | | | | | |
| 3 the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) | | | | | | | |
| the patent application/patent identified above, by virtue of either: | | | | | | | |
| A. X An assignment from the inventor(s) of the patent application/patent Identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 15474 , Frame 0869 , or for which a copy therefore is attached. | | | | | | | |
| | | | | | | | |
| B A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows: | | | | | | | |
| 1. From: To: | | | | | | | |
| The document was recorded in the United States Patent and Trademark Office at | | | | | | | |
| Reel, Frame, or for which a copy thereof is attached. | | | | | | | |
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| Additional documents in the chain of title are listed on a supplemental sheet(s). | | | | | | | |
| As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. | | | | | | | |
| [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 27-CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08] | | | | | | | |
| The undersigned whose little is supplied below) is authorized to act on behalf of the assignee. | | | | | | | |
| 11/11/2009 | | | | | | | |
| Date | | | | | | | |
| Jason D. Ferrone, J.D. Vice President and Senior Patent Counsel | | | | | | | |
| Printed or Typed Name Title | | | | | | | |

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